<110> MEHENS, LYDIE
LUHRMANN, REINHARD GEORGE
UNION, ANN
RAYMACKERS, JOSEPH

<120> METHYLATED, SMD HOMOLOGOUS PEPTIDES, REACTIVE WITH THE ANTIBODIES FROM SERA OF LIVING BEINGS AFFECTED WITH SYSTEMIC LUPUS ERYTHEMATOSUS

<130> INNS011---

<140> 09/297,981
<141> 1999-05-10

T0480

<160> 30

<170> PatentIn Ver. 2.1

<210> 1
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<222> (2)..(18)
<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

B16

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<223> Description of Artificial Sequence: Synthetic

<400> 1
Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa
1 5 10 15

Gly Xaa Gly

<210> 2
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<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

<400> 2
Ala Xaa Gly Xaa Gly Xaa Gly Met Gly Xaa Gly
1 5 10

<210> 3
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<222> (7)..(15)
<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

<400> 3
Lys Ala Gln Val Ala Ala Xaa Gly Xaa Gly Xaa Gly Met Gly Xaa Gly
1 5 10 15

Asn

<210> 4
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<400> 4
Asp Val Glu Pro Lys Val Lys Ser Lys Lys Arg Glu Ala Val Ala Gly
1 5 10 15

Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly
20 25 30

Xaa Gly Gly Pro Arg Arg
35

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<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

<400> 5

Asp Asn His Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Gly Gly
1 5 10 15

<210> 6
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<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

<400> 6
Gly Gly Xaa Gly Xaa Gly Gly Ser Gly Gly Xaa Gly Xaa Gly Gly
1 5 10 15

<210> 7
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<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

<400> 7
Glu Arg Ala Xaa Gly Xaa Gly Xaa Gly Xaa Gly Glu
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<210> 8
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<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

<400> 8
Gly Gly Gln Gln Asp Xaa Gly Gly Xaa Gly Xaa Gly Gly Gly Gly Gly
1 5 10 15

Tyr Asn Xaa Ser Ser Gly Gly Tyr Glu Pro Xaa Gly Xaa Gly Gly Gly
20 25 30

Xaa Gly Gly Xaa Gly Gly Met Gly Gly Ser Asp Xaa Gly Gly
35 40 45

<210> 9
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<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

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Tyr Asn

<210> 10
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<400> 10
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1 5 10 15

Gly Gly Met Gly Gly Ser Asp Xaa Gly Gly
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<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

<400> 11
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Gly

<210> 12
<211> 29
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<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

<400> 12
Asp Phe Asn Xaa Gly Gly Gly Asn Gly Xaa Gly Gly Xaa Gly Xaa Gly
1 5 10 15

Gly Pro Met Gly Xaa Gly Gly Tyr Gly Gly Gly Gly Ser
20 25

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<223> "Xaa" STANDS FOR A MONO- OR DIMETHYLATED ARGININE

<400> 13
Gly Asp Asp Xaa Xaa Gly Xaa Gly Gly Tyr Asp Xaa Gly Gly Tyr Xaa
1 5 10 15

Gly Xaa Gly Gly Asp Xaa Gly Gly Phe Xaa Gly Gly Xaa Gly Gly Gly
20 25 30

Asp Xaa Gly Gly Phe Gly
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<210> 14
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Gly Asp Asp Xaa Xaa Gly Xaa Gly Gly Tyr Asp Xaa Gly Gly
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1 5 10 15

Xaa Gly Gly Gly Asp Xaa Gly Gly Phe Gly
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<210> 16
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<220>
<223> Description of Artificial Sequence: Synthetic

<400> 16
Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg
1 5 10 15

Gly Arg Gly

<210> 17
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<223> Description of Artificial Sequence: Synthetic

<400> 17

Asp Val Glu Pro Lys Val Lys Ser Lys Lys Arg Glu Ala Val Ala Gly
1 5 10 15

Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly
20 25 30

Arg Gly Gly Pro Arg Arg
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<210> 18
<211> 11
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<220>
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<400> 18
Ala Arg Gly Arg Gly Arg Gly Met Gly Arg Gly
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<210> 19
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<220>
<223> Description of Artificial Sequence: Synthetic

<400> 19
Lys Ala Gln Val Ala Ala Arg Gly Arg Gly Arg Gly Met Gly Arg Gly
1 5 10 15

Asn Ile Phe Gln Lys Arg Arg
20

<210> 20
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<400> 20
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1 5 10 15

Tyr Asn Arg Ser Ser Gly Gly Tyr Glu Pro Arg Gly Arg Gly Gly Gly
20 25 30

Arg Gly Gly Arg Gly Gly Met Gly Gly Ser Asp Arg Gly Gly
35 40 45

<210> 21

<211> 18
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<400> 21
Gly Gly Gln Gln Asp Arg Gly Gly Arg Gly Arg Gly Gly Gly Gly Gly
1 5 10 15

Tyr Asn

<210> 22
<211> 26
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<220>
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<400> 22
Ser Gly Gly Tyr Glu Pro Arg Gly Arg Gly Gly Gly Arg Gly Gly Arg
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Gly Gly Met Gly Gly Ser Asp Arg Gly Gly
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<210> 23
<211> 17
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<400> 23
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1 5 10 15

Gly

<210> 24
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<400> 24
Asp Phe Asn Arg Gly Gly Gly Asn Gly Arg Gly Gly Arg Gly Arg Gly
1 5 10 15

Gly Pro Met Gly Arg Gly Gly Tyr Gly Gly Gly Gly Ser
20 25

<210> 25
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<400> 25
Gly Asp Asp Arg Arg Gly Arg Gly Gly Tyr Asp Arg Gly Gly Tyr Arg
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Gly Arg Gly Gly Asp Arg Gly Gly Phe Arg Gly Gly Arg Gly Gly Gly
20 25 30

Asp Arg Gly Gly Phe Gly
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<400> 26
Gly Asp Asp Arg Arg Gly Arg Gly Gly Tyr Asp Arg Gly Gly
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<210> 27
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<400> 27
Gly Gly Tyr Arg Gly Arg Gly Gly Asp Arg Gly Gly Phe Arg Gly Gly
1 5 10 15

Arg Gly Gly Gly Asp Arg Gly Gly Phe Gly
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<210> 28
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<400> 28
Asp Asn His Gly Arg Gly Arg Gly Arg Gly Arg Gly Gly Gly
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<210> 29
<211> 15
<212> PRT
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<210> 30
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B16

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Glu Arg Ala Arg Gly Arg Gly Arg Gly Arg Gly Glu
1 5 10